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RAW SEQUENCE LISTING

DATE: 02/13/2002

PATENT APPLICATION: US/10/057,510

TIME: 09:25:08

Input Set : N:\Crf3\RULE60\10057510.txt

Output Set: N:\CRF3\02132002\J057510.raw

5 <110> APPLICANT: Nandabalan, Krishnan
7 Yang, Meijia
9 Schulz, Vincent
11 CuraGen Corporation
15 <120> TITLE OF INVENTION: MDM INTERACTING PROTEIN AND METHODS OF USE THEREOF
19 <130> FILE REFERENCE: 15966-524 MDM US
21 <140> CURRENT APPLICATION NUMBER: 10/057,510
23 <141> CURRENT FILING DATE: 2002-01-25
25 <150> PRIOR APPLICATION NUMBER: USSN 09/510,252
27 <151> PRIOR FILING DATE: 2000-02-22
31 <150> PRIOR APPLICATION NUMBER: USSN 60/121,192
33 <151> PRIOR FILING DATE: 1999-02-23
37 <150> PRIOR APPLICATION NUMBER: USSN 60/122,643
39 <151> PRIOR FILING DATE: 1999-03-03
43 <160> NUMBER OF SEQ ID NOS: 4
47 <170> SOFTWARE: PatentIn Ver. 2.0
51 <210> SEQ ID NO: 1
53 <211> LENGTH: 486
55 <212> TYPE: DNA
57 <213> ORGANISM: Homo sapiens
61 <220> FEATURE:
63 <223> OTHER INFORMATION: Any N is A, C, G, or T
67 <400> SEQUENCE: 1

ENTERED

W--> 69 gcacgagcgt atnaaaaaat gttttccatg tttatggaaa aggctgggaa gtgctgggtgt 60
71 aaaatgccca agctcataat agatactcct ttctccattg ttgcccctgc tctaactgct 120
W--> 73 gttctttctt gccagcttcg ttgttccctc tggtttgtgg gggcacggct gtntccatgt 180
75 ggcaaggtgg aaggcatgga cgtgtggagg aggcgctgga gctgaaggaa tggacgagcc 240
W--> 77 ctgggaggag ggcagaaggc tacgcagggc tgaggatgaa gatgcagccc ctggatngtc 300
W--> 79 cccagactct caggacattg cccagtcaag ggttcgagcc acnaggncctt ggctcatatg 360
81 gcatgaaggg gaacttgcac aagaagcccc ctccctggtt gtggtcctgg cccctctgttc 420
W--> 83 tggaaaaactg gntcntagnc cccctgggtt ttngcaaagc ctgaagaaag ggaaantccc 480
85 catggg 486
89 <210> SEQ ID NO: 2
91 <211> LENGTH: 74
93 <212> TYPE: PRT
95 <213> ORGANISM: Homo sapiens
99 <220> FEATURE:
101 <223> OTHER INFORMATION: Any X can be any amino acid.
105 <400> SEQUENCE: 2
W--> 107 Ala Arg Ala Tyr Xaa Lys Met Phe Ser Met Phe Met Glu Lys Ala Gly
109 1 5 10 15
113 Lys Cys Trp Cys Lys Met Pro Lys Leu Ile Ile Asp Thr Pro Phe Ser
115 20 25 30

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119 Ile Val Ala Pro Ala Leu Thr Ala Val Leu Ser Cys Gln Leu Arg Cys
121          35                      40                      45
W--> 125 Ser Leu Trp Leu Val Gly Ala Arg Leu Xaa Pro Cys Gly Lys Val Glu
127          50                      55                      60
131 Gly Met Asp Val Trp Arg Arg Arg Trp Ser
133 65                      70
139 <210> SEQ ID NO: 3
141 <211> LENGTH: 652
143 <212> TYPE: DNA
145 <213> ORGANISM: Homo sapiens
149 <400> SEQUENCE: 3
151 atgtgcaata ccaacatgtc tgtacctact gatggtgctg taaccacctc acagattcca 60
153 gcttcggaac aagagaccct ggtagacca aagccattgc ttttgaagtt attaaagtct 120
155 gttggtgcac aaaaagacac ttatactatg aaagaggttc ttttttatct tggccagtat 180
157 attatgacta aacgattata tgatgagaag caacaacata ttgtatattg ttcaaagtat 240
159 cttctaggag atttgttttg cgtgccaaagc ttctctgtga aagagcacag gaaaatatat 300
161 accatgatct acaggaactt ggtagtagtc aatcagcagg aatcatcgga ctccaggtaca 360
163 tctgtgagtg agaacaggtg tcaccttgaa ggtgggagtg atcaaaagga ccttgtacaa 420
165 gagcttcagg aagagaaacc ttcatcttca catttggtt ctagaccatc tacctcatct 480
167 agaaggagag caattagtga gacagaagaa aattcagatg aattatctgg tgaacgacaa 540
169 agaaaacgcc acaaactctga tagtatttcc ctttcctttg atgaaagcct ggctctgtgt 600
171 gtaataaggg agatatgttg tgaaagaagc agtagcagtg aatctacagg ga 652
175 <210> SEQ ID NO: 4
177 <211> LENGTH: 216
179 <212> TYPE: PRT
181 <213> ORGANISM: Homo sapiens
185 <400> SEQUENCE: 4
187 Met Cys Asn Thr Asn Met Ser Val Pro Thr Asp Gly Ala Val Thr Thr
189 1          5                      10                      15
193 Ser Gln Ile Pro Ala Ser Glu Gln Glu Thr Leu Val Arg Pro Lys Pro
195          20                      25                      30
199 Leu Leu Leu Lys Leu Leu Lys Ser Val Gly Ala Gln Lys Asp Thr Tyr
201          35                      40                      45
205 Thr Met Lys Glu Val Leu Phe Tyr Leu Gln Tyr Ile Met Thr Lys Arg
207          50                      55                      60
211 Leu Tyr Asp Glu Lys Gln Gln His Ile Val Tyr Cys Ser Asn Asp Leu
213 65          70                      75                      80
217 Leu Gly Asp Leu Phe Gly Val Pro Ser Phe Ser Val Lys Glu His Arg
219          85                      90                      95
223 Lys Ile Tyr Thr Met Ile Tyr Arg Asn Leu Val Val Val Asn Gln Gln
225          100                     105                     110
229 Glu Ser Ser Asp Ser Gly Thr Ser Val Ser Glu Asn Arg Cys His Leu
231          115                     120                     125
235 Glu Gly Gly Ser Asp Gln Lys Asp Leu Val Gln Glu Leu Gln Glu Glu
237          130                     135                     140
241 Lys Pro Ser Ser Ser His Leu Val Ser Arg Pro Ser Thr Ser Ser Arg
243 145          150                     155                     160
247 Arg Arg Ala Ile Ser Glu Thr Glu Glu Asn Ser Asp Glu Leu Ser Gly
249          165                     170                     175

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253	Glu	Arg	Gln	Arg	Lys	Arg	His	Lys	Ser	Asp	Ser	Ile	Ser	Leu	Ser	Phe
255				180					185					190		
259	Asp	Glu	Ser	Leu	Ala	Leu	Cys	Val	Ile	Arg	Glu	Ile	Cys	Cys	Glu	Arg
261			195					200					205			
265	Ser	Ser	Ser	Ser	Glu	Ser	Thr	Gly								
267		210					215									

VERIFICATION SUMMARY

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Input Set : N:\Crf3\RULE60\10057510.txt

Output Set: N:\CRF3\02132002\J057510.raw

L:69 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1
L:69 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1
L:69 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:73 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1
L:73 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1
L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:77 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1
L:77 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:79 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1
L:79 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1
L:79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:83 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1
L:83 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1
L:83 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:107 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2
L:107 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:125 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2
L:125 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2